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the scope of the invention, which should therefore be determined not with reference to the above description, but should instead be determined with reference to the appended claims, along with the full scope of equivalents to which such claims are entitled.

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**What is claimed is:**

1. A packed phosphor screen or panel consisting of at least one screen or panel, optionally packed apart in a wrapper foil, and a sealed package, wherein said package is layered in form of an asymmetrical barrier layer foil, said foil comprising an inner flexible thermoplastic polymer layer and an outer polymer layer in adhesive contact with an aluminum layer situated inbetween said inner flexible thermoplastic polymer layer and said outer polymer layer, wherein said foil is characterized by adhesive forces, between said outer polymer layer and said aluminum layer, of more than  $2.5 \text{ N/mm}^2$  following DIN 53 357, by a permeation to water vapor of less than  $0.01 \text{ g per sq.m.}$  in an environment having a temperature of  $23^\circ\text{C}$  and a relative humidity of  $75 \% \text{ RV}$  for 24 hours following DIN 53 122, and by a permeation of less than  $0.01 \text{ cm}^3 \text{ per sq.m. per 24 hours and per bar}$  for each of oxygen, carbon dioxide and nitrogen following DIN 53 380 (ISO 2556, ASTM D 1434).
2. Packed screen or panel according to claim 1, wherein another polymer layer inbetween said aluminum layer and said inner flexible thermoplastic polymer layer is present.
3. Packed screen or panel according to claim 1, wherein said outer polymer layer is a metallized polymer layer or a polyester layer.
4. Packed screen or panel according to claim 2, wherein said outer polymer layer is a metallized polymer layer or a polyester layer.
5. Packed screen or panel according to claim 3, wherein said metallized polymer layer is a polypropylene layer.

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6. Packed screen or panel according to claim 4, wherein said metallized polymer layer is a polypropylene layer.
7. Packed screen or panel according to claim 1, wherein said inner flexible thermoplastic polymer layer is composed of low density polyethylene.
8. Packed screen or panel according to claim 2, wherein said inner flexible thermoplastic polymer layer is composed of low density polyethylene.
9. Packed screen or panel according to claim 3, wherein said inner flexible thermoplastic polymer layer is composed of low density polyethylene.
10. Packed screen or panel according to claim 4, wherein said inner flexible thermoplastic polymer layer is composed of low density polyethylene.
11. Packed screen or panel according to claim 5, wherein said inner flexible thermoplastic polymer layer is composed of low density polyethylene.
12. Packed screen or panel according to claim 6, wherein said inner flexible thermoplastic polymer layer is composed of low density polyethylene.
13. Packed screen or panel according to claim 1, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.
14. Packed screen or panel according to claim 2, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.
15. Packed screen or panel according to claim 3, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.

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16. Packed screen or panel according to claim 4, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.
- 5 17. Packed screen or panel according to claim 5, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.
18. Packed screen or panel according to claim 6, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.
- 10 19. Packed screen or panel according to claim 7, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.
20. Packed screen or panel according to claim 8, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.
- 15 21. Packed screen or panel according to claim 9, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.
22. Packed screen or panel according to claim 10, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.
- 20 23. Packed screen or panel according to claim 11, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.
24. Packed screen or panel according to claim 12, wherein at least one screen or panel is present, optionally packed apart in a polymeric sheet wrapper.
- 25 25. Packed screen or panel according to claim 1, wherein packed silica gel is present as moisture absorbing agent.

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26. Packed screen or panel according to claim 2, wherein packed silica gel is present as moisture absorbing agent.
27. Packed screen or panel according to claim 3, wherein packed silica gel is present as moisture absorbing agent.
- 5 28. Packed screen or panel according to claim 4, wherein packed silica gel is present as moisture absorbing agent.
29. Packed screen or panel according to claim 5, wherein packed silica gel is present as moisture absorbing agent.
30. Packed screen or panel according to claim 6, wherein packed  
10 silica gel is present as moisture absorbing agent.
31. Packed screen or panel according to claim 1, wherein said package has at least three thermosealed sides.
32. Packed screen or panel according to claim 2, wherein said package has at least three thermosealed sides.
- 15 33. Packed screen or panel according to claim 3, wherein said package has at least three thermosealed sides.
34. Packed screen or panel according to claim 4, wherein said package has at least three thermosealed sides.
35. Packed screen or panel according to claim 5, wherein said package  
20 has at least three thermosealed sides.
36. Packed screen or panel according to claim 6, wherein said package has at least three thermosealed sides.
37. Packed screen or panel according to claim 31, wherein at least one of said thermosealed sides has a notch at its rim.
- 25 38. Packed screen or panel according to claim 32, wherein at least one of said thermosealed sides has a notch at its rim.

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39. Packed screen or panel according to claim 33, wherein at least one of said thermosealed sides has a notch at its rim.
40. Packed screen or panel according to claim 34, wherein at least one of said thermosealed sides has a notch at its rim.
- 5 41. Packed screen or panel according to claim 35, wherein at least one of said thermosealed sides has a notch at its rim.
42. Packed screen or panel according to claim 36, wherein at least one of said thermosealed sides has a notch at its rim.
43. Packed screen or panel according to claim 1, wherein said package  
10 has at least one resealable side.
44. Packed screen or panel according to claim 2, wherein said package has at least one resealable side.
45. Packed screen or panel according to claim 3, wherein said package has at least one resealable side.
- 15 46. Packed screen or panel according to claim 4, wherein said package has at least one resealable side.
47. Packed screen or panel according to claim 5, wherein said package has at least one resealable side.
48. Packed screen or panel according to claim 6, wherein said package  
20 has at least one resealable side.
49. Packed screen or panel according to claim 1, wherein said package is provided with an antistatic coating on at least one side of the said foil.
50. Packed screen or panel according to claim 2, wherein said package  
25 is provided with an antistatic coating on at least one side of the said foil.

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51. Packed screen or panel according to claim 3, wherein said package is provided with an antistatic coating on at least one side of the said foil.

5 52. Packed screen or panel according to claim 4, wherein said package is provided with an antistatic coating on at least one side of the said foil.

53. Packed screen or panel according to claim 5, wherein said package is provided with an antistatic coating on at least one side of the said foil.

10 54. Packed screen or panel according to claim 6, wherein said package is provided with an antistatic coating on at least one side of the said foil.

15 55. Use of a sealed package for screens or panels and for raw stock materials in order to prepare the said screens or panels, wherein said package is layered in form of an asymmetrical barrier layer foil, said foil comprising an inner flexible thermoplastic polymer layer and an outer polymer layer in adhesive contact with an aluminum layer situated inbetween said inner flexible thermoplastic polymer layer and said outer polymer layer, wherein  
20 said foil is characterized by adhesive forces, between said outer polymer layer and said aluminum layer, of more than  $2.5 \text{ N/mm}^2$  following DIN 53 357, by a permeation to water vapor of less than  $0.01 \text{ g per sq.m.}$  in an environment having a temperature of  $23^\circ\text{C}$  and a relative humidity of 75 % RV for 24 hours following DIN 53  
25 122, and by a permeation of less than  $0.01 \text{ cm}^3 \text{ per sq.m. per 24 hours}$  and per bar for each of oxygen, carbon dioxide and nitrogen following DIN 53 380 (ISO 2556, ASTM D 1434).